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DESCRIPTORS: \*Lithium compounds, Salts, \*Niobates,  
\*Tantalum compounds, Oxides, Acids, Synthetics,  
Lattices, Density, X-ray diffraction analysis.

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by two methods (giving identical results): (1) by the  
interaction of lithium carbonate and niobium (tantalum)  
pentoxide and (2) by the fusion of niobium (tantalum)  
pentoxide with lithium hydroxide. The lattice constants  
of both salts were determined. The pycnometric den-  
sities of the lithium orthosalts of niobic and tantalic  
acids were found to be in agreement with their calculated  
x-ray densities. (Author)

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DESCRIPTORS: \*Thermostats, Solubility, Determination, Temperature control, Design.

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DESCRIPTORS: \*Lithium compounds, \*Niobates,  
\*Tantalum compounds, Oxides, Crystal structure,  
Lattices, X-ray diffraction analysis.

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- III. SCL-T-437
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